

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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Claims 1-3 (canceled)

1 Claim 4. (Currently Amended) A portable computer system comprising:
2 an indicating device having a plurality of light emitting devices selectively activated
3 according to a signal from the portable computer system; and
4 a controller managing said indicating device to selectively display power-on self-test (POST)
5 codes in response to operating states of the portable computer system, the power-on self-test codes
6 being generated in power-on self-test process by a basic input-output system (BIOS) of the computer
7 system,
8 with the operating states comprising of a power on or off state, number lock state, a capital
9 letter state, a scroll lock state, an access state of a disk drive, and a charge state of the battery.

1 Claim 5. (Original) The portable computer system of claim 4, with said indicating device
2 being a plurality of light emitting diodes, with each power-on self-test code corresponding to a
3 specific light emitting diode on the portable computer.

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1 Claim 6. (Original) The portable computer system of claim 5, with said light emitting diodes
2 sequentially aligned along a surface of the portable computer according to an order of operating
3 states being tested by the portable computer, the alignment accommodating a rapid view of a
4 progress of the power-on self-test.

1 Claim 7. (Original) The portable computer system of claim 6, with the light emitting diodes
2 indicating where an error has occurred in the portable computer system.

Claim 8. (Canceled)

1 Claim 9. (Original) A portable computer system, comprising:
2 an address decoder coupled to an address bus generating a latch control signal by decoding
3 an address of an output port accommodating power-on self-test codes;
4 a latch coupled to a data bus of the portable computer system latching the power-on self-test
5 codes from the data bus in response to the latch control signal;
6 an indicating device having a plurality of lighting devices indicating operating states of the
7 portable computer system;
8 a controller generating an indicating control signal in response to the operating state; and
9 a selector sending either the indicating control signal or power-on self-test codes of the latch
10 to said indicating device.

1 Claim 10. (Original) The portable computer system of claim 9, with the latched power-on
2 self-test codes being outputted to the indicating device when the address decoder translates the
3 address of the output port for power-on self-test codes.

1 Claim 11. (Original) The portable computer system of claim 9, with the controller managing
2 the selector to output the power-on self-test codes latched in the latch during the power-on self-test
3 process.

1 Claim 12. (Original) The portable computer system of claim 11, further comprising a key
2 input device coupled to the controller, said controller regulating the selector to output the power-on
3 self-test codes held temporarily until a key input signal response from the key input device during
4 the power-on self-test process.

1 Claim 13. (Original) The portable computer system of claim 12, with the key input device
2 being a keyboard of the portable computer system.

1 Claim 14. (Original) The portable computer system of claim 13, with said selector being a
2 multiplexer, the output of said multiplexer being controlled by the controller.

1 Claim 15. (Previously Presented) The portable computer of claim 14, with the lighting

2 devices being a plurality of light emitting diodes displaying the power-on self-test codes in
3 accordance with an order of the power-on self-test process.

Claims 16-18 (Canceled)

1 Claim 19. (Currently Amended) A method of displaying power-on self-test codes in a
2 portable computer system, comprising the steps of:

3 starting a power-on self-test process;

4 generating power-on self-test codes;

5 outputting the power-on self-test codes to a microprocessor to display the power-on self-test
6 codes;

7 testing each one of the elements of the portable computer system corresponding to the
8 respective power-on self-test codes;

9 determining whether the test is performed in safety;

10 completing the power-on self-test process when the test is performed in safety in all of
11 the elements; and

12 interrupting the power-on self-test process when the test is not performed in safety in
13 any element,

14 said step of displaying the power-on self-test codes further comprising:

15 receiving data through a predetermined input-output port of said microprocessor of the
16 portable computer;

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18 generating an internal interrupt when the data is inputted to said microprocessor;
19 checking whether the data inputted through the predetermined input-output port of the
20 microprocessor is a power-on self-test code;
21 selectively displaying the power-on self-test code through an indicator when data inputted
22 is a power-on self-test code; and
23 executing other interrupt routines when data is not a power-on self-test code.

1 Claim 20. (Original) The method of claim 19, with said indicator being a plurality of light
2 emitting diodes, with each power-on self-test code corresponding to a specific light emitting diode
3 on the portable computer.

1 Claim 21. (Original) The method of claim 20, with said light emitting diodes sequentially
2 aligned along a surface of the portable computer according to an order of operating states being
3 tested by the portable computer, the alignment accommodating a rapid view of a progress of the
4 power-on self-test.

Claims 22-23 (Canceled)

1 Claim 24. (Previously Presented) A computer, comprising:
2 an indicating device having a plurality of light emitting devices activated according to a
3 signal from the computer; and

D14 a controller managing said indicating device to display power-on self-test codes in response
5 to operating states of the computer, the power-on self-test codes being generated in power-on self-
6 test process by a basic input-output system of the computer system,
7 with the operating states comprising of a power on or off state, number lock state, a capital
8 letter state, a scroll lock state, an access state of a disk drive, and a charge state of the battery.

1 Claim 25. (Previously Presented) A computer, comprising:
2 an address decoder coupled to an address bus generating a latch control signal by decoding
3 an address of an output port accommodating power-on self-test codes;
4 a latch coupled to a data bus of the computer latching the power-on self-test codes from the
5 data bus in response to the latch control signal;
6 an indicating device having a plurality of lighting devices indicating operating states of the
7 computer;
8 a controller generating an indicating control signal in response to the operating state; and
9 a selector sending either the indicating control signal or power-on self-test codes of the latch
10 to said indicating device.
